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PTO/SB/21 (6-98)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

118

Attorney Docket Number

10/052,386

Filing Date

January 18, 2002

First Named Inventor

SAKSENA, et al

Group Art Unit

1653

Examiner Name

TO BE ASSIGNED

IN01159K1

**ENCLOSURES (check all that apply)**

Fee Transmittal Form  
 Fee Attached  
 Amendment / Response  
 After Final  
 Affidavits/declaration(s)  
 Extension of Time Request  
 Express Abandonment Request  
 Information Disclosure Statement  
 Certified Copy of Priority Document(s)  
 Response to Missing Parts/ Incomplete Application  
 Response to Missing Parts under 37 CFR 1.52 or 1.53

Assignment Papers (for an Application)  
 Drawing(s)  
 Licensing-related Papers  
 Petition Routing Slip (PTO/SB/69) and Accompanying Petition  
 Petition to Convert to a Provisional Application  
 Power of Attorney, Revocation Change of Correspondence Address  
 Terminal Disclaimer  
 Small Entity Statement  
 Request for Refund

Alter Allowance Communication to Group  
 Appeal Communication to Board of Appeals and Interferences  
 Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  
 Proprietary Information  
 Status Letter  
 Additional Enclosure(s) (please identify below)

Corrected Filing Receipt  
Executed Declarations  
Notice to File Missing Parts  
Copy of Notice to File Missing Parts  
Return Post Card

Remarks

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name SCHERING-PLough CORPORATION  
PATENT DEPARTMENT, K-6-1-1990  
PALAIYUR S. KALYANARAMAN REG. NO. 34634

Signature

Date

May 8, 2002

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: May 8, 2002

Typed or printed name PALAIYUR S. KALYANARAMAN

Signature

Date

May 8, 2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/17 (10-01)

Express Mail Label No.:

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**FEET TRANSMITTAL  
for FY 2002**

May 20 2002

*Patent fees are subject to annual revision.*

**AMOUNT OF PAYMENT**

(\$ 130.00)

**Complete if Known**

Application Number	10/052,386
Filing Date	January 18, 2002
First Named Inventor	SAKSENA, et al
Examiner Name	TO BE ASSIGNED
Group Art Unit	1653
Attorney Docket No.	IN01159K1

**METHOD OF PAYMENT**

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0365

Deposit Account Name Schering-Plough Corporation

Change Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17

Applicant claims small entity status.  
See 37 CFR 1.27

2.  Payment Enclosed:

Check  Credit card  Money Order  Other

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee	Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath	\$130.00
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English specification	
147	2,520	147	2,520 For filing a request for ex parte reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	
115	110	215	55 Extension for reply within first month	
116	400	216	200 Extension for reply within second month	
117	920	217	460 Extension for reply within third month	
118	1,440	218	720 Extension for reply within fourth month	
128	1,960	228	980 Extension for reply within fifth month	
119	320	219	160 Notice of Appeal	
120	320	220	160 Filing a brief in support of an appeal	
121	260	221	140 Request for oral hearing	
138	1,510	138	1,510 Petition to institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	460	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	
123	50	123	50 Processing fee under 37 CFR 1.17(q)	
126	180	126	180 Submission of Information Disclosure Stmt	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	740	246	370 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	
Other fee (specify) _____				

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$ 130.00)**

\*or number previously paid, if greater; For Reissues, see above

**SUBMITTED BY**

**Complete (if applicable)**

Name (Print/Type)	PALAIYUR S. KALYANARAMAN	Registration No. / Attorney/Agent	34634	Telephone	(908)298-5068
Signature	+8CC				

Date May 8, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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PATENT IN01159K1

**THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: )  
Saksena *et al* ) Examiner: To Be Assigned  
Application No.: 10/052,386 ) Group Art Unit: 1653  
Filed: January 18, 2002 )  
For: )  
**NOVEL PEPTIDES AS NS3-SERINE PROTEASE INHIBITORS OF HEPATITIS C VIRUS**

Assistant Commissioner For Patents

Attention: Customer Service Center- Initial Patent Examination Division  
Washington, D.C. 20231

**MISSING PARTS AND CORRECTION OF FILING RECEIPT**

Sir:

The subject non-provisional patent application, Serial No. 10/052,386 was filed on January 18, 2002. At the time of filing, the signed Declaration/Power of Attorney from the inventors was missing. Applicants are now filing the Declaration and Power of Attorney signed by the inventors. A copy of the "Notice to File Missing Parts of Non-Provisional Application" is attached. The Office is authorized to charge the \$ 130.00 fee to Account Number 19-0365.

Furthermore, the Filing Receipt received in this case needs to be corrected for the following mistake:

The last name of inventor Lim-Wilby should be corrected. (The "w" of "wilby" should be capitalized.) A copy of the filing receipt with the correction marked thereon is attached.

Please send us a corrected filing receipt.

If there are any questions, the Office is invited to contact the undersigned.

Respectfully submitted,

May 8, 2002  
Schering-Plough Corporation  
2000 Galloping Hill Road  
Patent Department, K-6-1,1990  
Kenilworth, NJ 07033  
Tel: (908) 298-5068  
Fax: (908) 298-5388

  
Dr. Palaiyur S. Kalyanaraman  
Attorney for Applicants  
Reg. No. 34,634

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on May 8, 2002.

5/8/2002  
Date of Deposit

PALAIYUR S. KALYANARAMAN  
Registered Representative

5/8/2002  
Signature

5/8/2002  
Date of Signature



## UNITED STATES PATENT AND TRADEMARK OFFICE

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MAY 20 2002

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COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

#3

APPLICATION NUMBER 10/052,386	RECEIVED/FILED DATE 01/18/2002	FIRST NAMED APPLICANT Anil K. Saksena	ATTORNEY DOCKET NUMBER IN01159K1
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24265  
 SCHERING-PLough CORPORATION  
 PATENT DEPARTMENT (K-6-1, 1990)  
 2000 GALLOPING HILL ROAD  
 KENILWORTH, NJ 07033-0530

PATENT DEPARTMENT  
RECEIVED  
APR 26 2002  
ROUTE TO  
COMMITTEE  
PSK

CONFIRMATION NO. 5995  
FORMALITIES LETTER
  
 \*OC000000007922848\*

Date Mailed: 04/22/2002

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted***Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**Items Required To Avoid Processing Delays:**

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is **\$130** for a Large Entity

- \$130 Late oath or declaration Surcharge.

*A copy of this notice MUST be returned with the reply.*



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05/22/2002 140001  
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Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



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Page 1 of 3

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COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/052,386 ✓	01/18/2002 ✓	1653	2576	IN01165R		66 ✓	15

24265  
SCHERING-PLough CORPORATION  
PATENT DEPARTMENT (K-6-1, 1990)  
2000 GALLOPING HILL ROAD  
KENILWORTH, NJ 07033-0530

PATENT DEPARTMENT RECEIVED

APR 26 2002 FILING RECEIPT

ROUTE TO COMMENTS

COMPUTER INPUT

FAX

USER NOTE ENTERED

CONFIDENTIAL

CONFIRMATION NO. 5995

000000007922847\*

Date Mailed: 04/22/2002

Receipt is acknowledged of this nonprovisional Patent Application! It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

- ✓ Anil K. Saksena, Upper Montclair, NJ;
- ✓ Viyyoor Moopil Girijavallabhan, Parsippany, NJ;
- ✓ Raymond G. Lovey, West Caldwell, NJ;
- ✓ Edwin Jao, Warren, NJ;
- ✓ Frank Bennett, Piscataway, NJ;
- ✓ Jinping L. McCormick, Edison, NJ;
- ✓ Haiyan Wang, Cranbury, NJ;
- ✓ Russell E. Pike, Stanhope, NJ;
- ✓ Stephane L. Bogen, Somerset, NJ;
- ✓ Tin-Yau Chan, Edison, NJ;
- ✓ Yi-Tsung Liu, Morris Township, NJ;
- ✓ Zhaoning Zhu, East Windsor, NJ;
- ✓ F. George Njoroge, Warren, NJ;
- ✓ Ashot Arasappan, Bridgewater, NJ;
- ✓ Tejal Parekh, Mountain View, CA;
- ✓ Ashit K. Ganguly, Upper Montclair, NJ;
- ✓ Kevin X. Chen, Iselin, NJ;
- ✓ Srikanth Venkatraman, Woodbridge, NJ;
- ✓ Henry A. Vaccaro, South Plainfield, NJ;
- ✓ Patrick A. Pinto, Morris Plains, NJ;
- ✓ Bama Santhanam, Bridgewater, NJ;
- ✓ Scott Jeffrey Kemp, San Diego, CA;
- ✓ Odile Esther Levy, San Diego, CA; → Lim-Wilby
- ✓ Marguerita Lim-wilby, La Jolla, CA;
- ✓ Susan Y. Tamura, Santa Fe, NM;
- ✓ Wanli Wu, Edison, NJ;
- ✓ Siska Hendrata, Edison, NJ;
- ✓ Yuhua Huang, Scotch Plains, NJ.

*Missing Parts*  
Due: June 22, 2002  
(Declaration)

✓ Jesse K. Wong, Monroe Township, NJ;  
✓ Latha G. Nair, Scotch Plains, NJ; ✓

**Assignment For Published Patent Application**

Schering Corporation Corvas International, Ltd.;

**Domestic Priority data as claimed by applicant**

THIS APPLICATION IS A CIP OF 09/908,955 07/19/2001 ✓

**Foreign Applications**

If Required, Foreign Filing License Granted 04/05/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

**Title**

Novel peptides as NS3-serine protease inhibitors of hepatitis C virus ✓

**Preliminary Class**

514

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LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15

**GRANTED**

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This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related application(s) filed under 37 CFR 1.53(d). This license is not retroactive.

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